

Z402
ZH402
CP40
CP40H
CPH40
CPH60



Curvatrici

TECHNICAL DATA		Z402	ZH402	CP40	CP40H	CPH40	CPH60
Shafts diameter	mm	40					60
Driven rolls						3	2
Rolls diameter	mm	162					225
Dimensions	cm	67x87x125		70x99x136			95x130x161
Distance between rolls	mm	300					410
Shafts length	mm	94					129
Max profile width (std rolls)	mm	52	52.0				78.0
Section modulus Wt	cm³	7.5	8.3				17.0
Shafts speed	rpm	7.8	9				7.5
Variable rolling speed		-		Optional			
Cylinder thrust	kg		7850	-	7060	8240	18400
Working Pressure	bar		190	-	210		230
Installed power	kW	1.1	1.1-0.55	1.5	1.5-0.75		2.2-1.5
Approximate weight	kg	350	380	396	435-19	530-19	1100-19
Roller position control					DP7		
Torque limiter						YES	-
Forming block Z-block						YES	

STANDARD EQUIPMENT

Universal rolls



Lateral straighteners



Visualization of the bending roll position on a digital display



Electronic control panel DP7 with functions capable of showing and storing up to 20 bending programs (also by autoteaching) each containing 20 steps (bending roll stop points).*



Archimeter - Not included with the machine and must be purchased separately



* Available only on certain models (refer to the table on the previous pages for details).

BENDING CAPACITY

Z402
ZH402

	PROFILE	SIZE		MIN. INTERNAL Ø		NOTES
		mm	inch	mm	inch	
1		20x5 60x10	3/4x3/16 2 ¹ / ₄ x3/8	250 600	10 24	
2		50x10 100x15	2x3/8 4x5/8	250 450	10 18	
3		10x10 35x35	3/8x3/8 1 ³ / ₈ x1 ³ / ₈	200 600	8 24	
4		10x10 35x35	3/8x3/8 1 ³ / ₈ x1 ³ / ₈	200 600	8 24	
5		25x15x1.5 60x40x3	1x5/8x1/16 2 ¹ / ₄ x1 ¹ / ₂ x1/8	250 1400	10 55	
6		30x15x2 80x30x3	1 ¹ / ₄ x5/8x1/16 3 ¹ / ₂ x1 ¹ / ₄ x1/8	250 1500	10 60	
7		20x20x1.5 50x50x3	3/4x3/4x1/16 2x2x1/8	250 1500	10 60	
8		20x20x3 60x60x6	3/4x3/4x1/8 2 ¹ / ₄ x2 ¹ / ₄ x1/4	200 700	8 28	
9		20x20x3 60x60x6	3/4x3/4x1/8 2 ¹ / ₄ x2 ¹ / ₄ x1/4	200 700	8 28	
10		30x15x4 80x45x6	1 ¹ / ₄ x5/8x1/8 3x1 ¹ / ₂ x1/4	250 700	10 28	
11		30x15x4 80x45x6	1 ¹ / ₄ x5/8x1/8 3x1 ¹ / ₂ x1/4	250 800	10 32	
12		60x30x6	2 ¹ / ₄ x1 ¹ / ₄ x1/4	1000	40	
13		Ø10 Ø35	3/8 1 ³ / ₈	200 600	8 24	
14		1/2" Gas 2"Gas x 2.9	3/4x1/16 2 ³ / ₈ x1/8	200 800	8 32	
15		70x1.5	2 ³ / ₄ X1/16	1500	60	
16		25x25x3 50x50x5	1x1x1/8 2x2x3/16	250 500	10 20	
17		25x25x3 50x50x5	1x1x1/8 2x2x3/16	350 600	14 24	
18		60x30x3	2 ¹ / ₄ x2 ¹ / ₄ x1/8	600	24	

BENDING CAPACITY

CP40
CP40H

	PROFILE	SIZE		MIN. INTERNAL Ø		NOTES
		mm	inch	mm	inch	
1		20x5 60x10	1x3/16 2 ^{1/4} x3/8	200 400	8 16	
2		50x10 100x15	2x3/8 4x5/8	200 350	8 14	
3		10x10 35x35	3/8x3/8 1 ^{3/8} x1 ^{3/8}	180 500	7 20	
4		10x10 35x35	3/8x3/8 1 ^{3/8} x1 ^{3/8}	180 500	7 20	
5		25x15x1.5 60x40x3	1x5/8x1/16 2 ^{1/4} x1 ^{1/2} x1/8	250 120	10 5	
6		30x15x2 80x30x3	1 ^{1/4} x5/8x1/16 3 ^{1/4} x1 ^{1/4} x1/8	250 1200	10 60	
7		20x20x1.5 50x50x3	3/4x3x1/16 2x2x1/8	250 1200	10 48	
8		20x20x3 60x60x6	3/4x3/4x1/8 2 ^{1/2} x2 ^{1/2} x1/4	200 500	8 20	
9		20x20x3 60x60x6	3/4x3/4x1/8 2 ^{1/2} x2 ^{1/2} x1/4	200 500	8 20	
10		30x15x4 80x45x6	1 ^{1/4} x5/8x1/8 3 ^{1/4} x1 ^{3/4} x1/4	250 600	10 24	
11		40x20x4 80x45x6	1 ^{1/2} x3/4x1/8 3 ^{1/4} x1 ^{3/4} x1/4	300 600	12 24	
12		60x30x6	2 ^{1/4} x1 ^{1/4} x1/4	800	16 32	
13		Ø10 Ø35	3/8 1 ^{3/8}	200 500	8 20	
14		1/2" GAS 2" GASx3.2	3/4x1/16 2 ^{3/8} x1/8	200 600	8 24	
15		70x1.5	2 ^{3/4} x1/16	1000	40	
16		25x25x3 50x50x6	1x1x1/8 2x2x1/4	250 400	10 16	
17		25x25x3 50x50x6	1x1x1/8 2x2x1/4	350 500	14 20	
18		60x30x3	2 ^{1/4} x1 ^{1/4} x1/8	600	24	



For production runs it is necessary to equip the machine with special rolls



Special Rolls

Capacity based on material strength
of Rm = 400 MPa (≈ 60.000 psi)

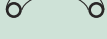
BENDING CAPACITY

CPH40

	PROFILE	SIZE		MIN. INTERNAL Ø		NOTES
		mm	inch	mm	inch	
1		20x5 60x10	1x3/16 2 ^{1/4} x3/8	200 400	8 16	
2		50x10 100x15	2x3/8 4x5/8	200 350	8 14	
3		10x10 37x37	3/8x3/8 1 ^{7/16} x1 ^{7/16}	180 500	7 20	
4		10x10 37x37	3/8x3/8 1 ^{7/16} x1 ^{7/16}	180 500	7 20	
5		25x15x1.5 60x40x3	1x5/8x1/16 2 ^{1/4} x1 ^{1/2} x1/8	250 1000	10 40	
6		30x15x2 80x30x3	1 ^{1/4} x5/8x1/16 3 ^{1/4} x1 ^{1/4} x1/8	250 1000	10 40	
7		20x20x1.5 50x50x3	3/4x3/4x1/16 2x2x1/8	250 1000	10 40	
8		20x20x3 60x60x6	3/4x3/4x1/8 2 ^{1/2} x2 ^{1/2} x1/4	200 500	8 20	
9		20x20x3 60x60x6	3/4x3/4x1/8 2 ^{1/2} x2 ^{1/2} x1/4	200 500	8 20	
10		30x15x4 80x45x6	1 ^{1/4} x5/8x1/8 3 ^{1/4} x1 ^{3/4} x1/4	250 600	10 24	
11		40x20x4 80x45x6	1 ^{1/2} x3/4x1/8 3 ^{1/4} x1 ^{3/4} x1/4	300 600	12 24	
12		60x30x6	2 ^{1/4} x1 ^{1/4} x1/4	800	32	
13		Ø10 Ø37	3/8 1 ^{3/8}	200 500	8 20	
14		1/2" GAS 2" GAS x 3.2	3/4 2 ^{1/4} x1/16	200 600	8 24	
15		70x2	2 ^{3/4} x1/16	1000	40	
16		25x25x3 50x50x6	1x1x1/8 2x2x1/4	250 400	10 16	
17		25x25x3 50x50x6	1x1x1/8 2x2x1/4	350 500	14 20	
18		60x30x3	2 ^{1/4} x1 ^{1/4} x1/8	500	20	

BENDING CAPACITY

CPH60

	PROFILE	SIZE		MIN. INTERNAL Ø		NOTES
		mm	inch	mm	inch	
1		40x10 90x15	1 ^{1/2} x3/8 3 ^{1/2} x5/8	280 650	11 25	
2		50x10 120x25	2x3/8 5x1	300 380	12 15	
3		20 50	3/4 2	250 600	10 24	
4		20 50	3/4 2	250 600	10 24	
5		40x20x2 80x40x3.5	1 ^{1/2} x3/4x1/16 3 ^{1/4} x3 ^{1/2} x1/4	400 1000	16 40	
6		40x15x2 120x40x3	1 ^{1/2} x5/8x1/16 5x1 ^{1/2} x1/8	400 1500	16 60	
7		40x40x2 70x70x3	1 ^{1/2} x1 ^{1/2} x1/16 3x3x1/8	400 1200	16 48	
8		40x40x5 80x80x8	1 ^{1/2} x1 ^{1/2} x1/8 3 ^{1/2} x3 ^{1/2} x3/8	250 700	10 28	
9		40x40x5 80x80x8	1 ^{1/2} x1 ^{1/2} x1/8 3 ^{1/2} x3 ^{1/2} x3/8	350 800	14 32	
10		UPN 120 120x55x6	5x2 ^{1/4} x1/4	800	32	
11		UPN 120 120x55x6	5x2 ^{1/4} x1/4	900	35	
12		UPN80 80x45x6	3 ^{1/8} x1 ^{3/4} x1/4	1000	40	
13		IPE 100 100x55x4	4x2 ^{1/4} x1/8	2000	80	
14		IPE 80 80x45x4	3 ^{1/2} x1 ^{3/4} x1/8	3000	120	
15		Ø20 Ø50	3/4 2	300 600	12 24	
16		1" GAS 3" GASx3.2	1 ^{1/4} 3 ^{1/2} x1/8	400 850	16 34	
17		100x2	4x1/16	1200	48	
18		30x30x4 70x70x8	1 ^{1/4} x1 ^{1/4} x1/8 3	300 700	12 28	
19		30x30x4 70x70x8	1 ^{1/4} x1 ^{1/4} x1/8 2 ^{3/4} x2 ^{3/4} x5/16	300 700	12 28	
20		100x50x3	4x2x1/8	800	32	



For production runs it is necessary to equip the machine with special rolls



Special Rolls

Capacity based on material strength
of Rm = 400 MPa (≈ 60.000 psi)